120

Quality Control

QC8- Inspect parts - second check

Memo

0.00

0.00

<b>Dart</b>	Aero	ospa	ice	Ltd
Dail	751	JOUG		Lu

W/O:		WORK ORDER CHANG	WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
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					J					
Part No	:	PAR #: Fault Category:	_ NCR: Yes	No <b>DQ</b>	A:	Date: _				

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:	WORK ORDER NON-CONFORMANCE (NCR)							
		Description of NC	Corrective Action Section B			Verification	Approval	Approval
DATE	STEP	Section A Initial Action Description   Sign		Sign & Date	Section C	Chief Eng	QC Inspector	
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	1							
						:		
-								

#### Work Order ID 66190

Monday, February 07, 2011 11:55:47 AM



Page 2

Item ID:

D3407-1

Accept

Setup Start

Stop



**Revision ID:** 

**Start Date:** 

Item Name: Stem

Required Date: 2/22/2011

2/8/2011

**Start Qty: 12.00** 

Req'd Qty: 12.00



**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

QC:

Process Plan:

Date: Date: \_\_\_\_\_

**Tooling:** SPC (Y/N):

Set Up/

**Run Hours** 

Date: Date:

Start Run



Stop

Sequence ID/ Work Center ID

130

Packaging Packaging

Operation **Description** 

Identify as per dwg & Stock Location:\_\_\_\_

0.00

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject Reject Otv

Insp. Number Stamp

140

QC

Quality Control

QC21- Final Inspection - Work Order Release

Memo

0.00

0.00

<b>Dart Aerospace</b>	Ltd	
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W/O:			wo	RK ORDER CHANGE	:S				
DATE	STEP	PRO	CEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	•	PAR #:	Fault Cated	lorv:	NCR: Yes	No : <b>DQ</b>	A:	Date:	<u> </u>
				QA: N/C Closed: Date:					
NCR:		V	WORK ORDE	R NON-CONFORMA	NCE (NCF	₹)			
\ <u></u>	Ţ,	Description of NC Corrective Action		Corrective Action Section		Verifi	erification Appro	Approval	Approval
DATE	STEP	Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	k   Sect	tion C	Chief Eng	QC Inspector

## **Picklist Print**

Monday, February 07, 2011 11:55:45 AM

Work Order ID: 66190

Parent Item: D3407-1

Parent Item Name: Stem



Start Date: 2/8/2011

Required Date: 2/22/2011

Page 1

**Start Qty: 12.00** 

Required Qty: 12.00

Comments:

IPP Rev:A□05.10.18□New issue□KJ/EC

IPP Rev:B Now on Doosan 08-05-14 JLM Verified By:DD

IPP Rev:C 08-08-12 revE as per dwg (ecn 08-507) DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch		Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M174R0.750		Purchased	No	-		100	f	33.8950	0.366	4.623158			
										12	11	1/5/	17

17-4 round bar .750

Location Loc Qty Loc Code MAT 33.895 9.895 114488 116808 24

Dart Aerospace Ltd	Dart	<b>Aeros</b>	pace	Ltd
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W/O:			WO	RK ORDER CHANG	BES						
DATE	STEP	PRO	OCEDURE CHAN	IGE	В	у	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
Part No	:	PAR #:	Fault Category: No			NCR: Yes No DQA: Date:					
	R	esolution:	Disposition	Disposition: QA: N/C Closed			sed:		Date: _		
NCR:			WORK ORDE	R NON-CONFORM	ANCE (I	VCR)					
DATE	STEP	Description of NC			tion B			ation	Approval	Approval	
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng	3	ign & Date	Secti	on C	Chief Eng	QC Inspector	
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DART AEROSPACE LTD	Work Order: 66	190
Description: Tow Ring	Part Number:	D3407-1
Inspection Dwg: D3407 Rev: E		Page 1 of 1

## FIRST ARTICLE INSPECTION CHECKLIST

X	First Article		Prototype
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Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
0.063	+/-0.010	.073			Vela	5/-3
1/4-28 UNF	Max: 0.2668 Min: 0.2635	.265	/		Nie	2-12
Major Ø	Max: 0.249 Min: 0.2425	-246				
Ø0.625	+/-0.010	0.625				
Ø0.363	+/-0.010	0.367				
Ø0.750	+/-0.010	0.250				
R0.100	+/-0.010	R.100			R.G.	
0.470	+/-0.010	.473				
0.500	+/-0.010	.507				
3.250	+/-0.010	3,250				
4.250	+0.000/-0.010	4.245				
5.270	+/-0.010	1,265				2~1 Or
0.150	+/-0.010	-15-4				
0.550	+/-0.010	.1.1.2				
0.625	+/-0.010	-625				<i>-</i>
0.250	+0.010/-0.000	.255				

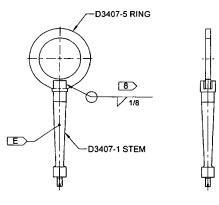
Measured by:		Audited by:	لا	Prototype Approval:	N/A
Date: ¿	12/17	Date:	111222	Date:	N/A

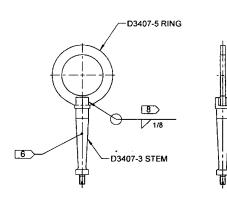
Rev	Date	Change	Revised by	Approved
Α	06.09.19	New Issue	KJ/JLM	
В	07.07.18	Tolerances for diameters updated per Machinists	KJ/JLM	
С	08.05.14	Dimensions updated per Dwg Rev D	KJ/JLM LA	
D	08.10.07	Dimensions updated per Dwg Rev E	KJ/DD 🕠	178

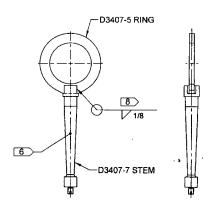
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W/O:			W	ORK ORDER CHANGE	ES				
DATE	STEP	PRO	PROCEDURE CHANGE			Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No:		PAR #:	Fault Cate	egory:	NCR: Yes	No <b>DQ</b>	A:	Date: _	
Resolution:			Disposition	QA: N/C CI	QA: N/C Closed: Date: _				
NCR:		V	VORK ORD	ER NON-CONFORMA	NCE (NCF	R)			
DATE	STEP	Description of NC	Corrective Action Section B			Verification			Approval
	J.L.	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Sect	tion C	Chief Eng	QC Inspector
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Æ QTY -041 QTY -043 QTY -045 PART NUMBER DESCRIPTION **TOW RING** D3407-041 D3407-043 D3407-045 TOW RING D3407-1 STEM 1 D3407-3 STEM D3407-5 RING D3407-7 STEM







**D3407-041 TOW RING** 

**D3407-043 TOW RING** 

**D3407-045 TOW RING** 

	ADD D3407-045 /ZN B2-1 D8-1): ADD D3407-7 /ZN B6-5):		i		
E	ADD D3407-045 (ZN B2-1, D8-1); ADD D3407-7 (ZN B6-5); REVISED NOTE 6 TO ADD IDENTIFICATION (ZN A5-1); REASON: PRODUCTION FACILITY	PH	08.07.23		
D	D3407-1/-3 SLOT WAS ROUND NOW FLAT FOR ASSEMBLY WITH D3407-5 (ZN C2-2, C2-3); D3407-5 WAS ROUND NOW FLAT ON ONE END FOR ASSEMBLY WITH D3407-1/-3 (ZN B6-4); REASON: PRODUCTION FACILITY	РН	08.04.07		
С	-1/-3 LONGER FOR FIT W/WASHER	CP	05.09.09		
В	UPDATE DIAMETER, THREAD CLASS ADDED	CP	05.06.17		
Α	NEW ISSUE	CP 05.03.1			
REV.	DESCRIPTION	BY	DATE		

DESIGN	197	DART AEROSPA	DART AEROSPACE USA, INC.				
DRAWN	Pet	PORT HADLOCK, WA					
CHECKED	15-1	DRAWING NO.	REV. E				
MFG. APPR.	5/d/	D3407	SHEET 1 OF 5				
APPROVED	101	TITLE	SCALE				
DE APPR.	-#	TOW RING	NTS				
D.80 TATE	7.23	COPYRIGHT € 2005 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS HERNET AND COMPENDATION, AND SEPTIMED ON THE EXPRESS CONSISTION THAT IT IS NOT TO BE USED FOR ANY PAPPOSE ON COMPEND OR COMMENDATE TO ANY OTHER PRISON WITHOUT					

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NOTES:
1) MATERIAL: N/A
2) FINISH: POWDER COAT WHITE (4.3.5.2) PER DART QSI 005 4.3 (EXCEPT THREADS)
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: N/A
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3407-XXX" USING BLACK FINE POINT PERMANENT INK MARKER
7) WEIGHT: D3407-041 - 0.60 lbs, D3407-043 - 0.53 lbs, D3407-045 - 0.61 lbs
8) WELD PER DART QSI 004 ON ALL EDGES BETWEEN STEM AND RING

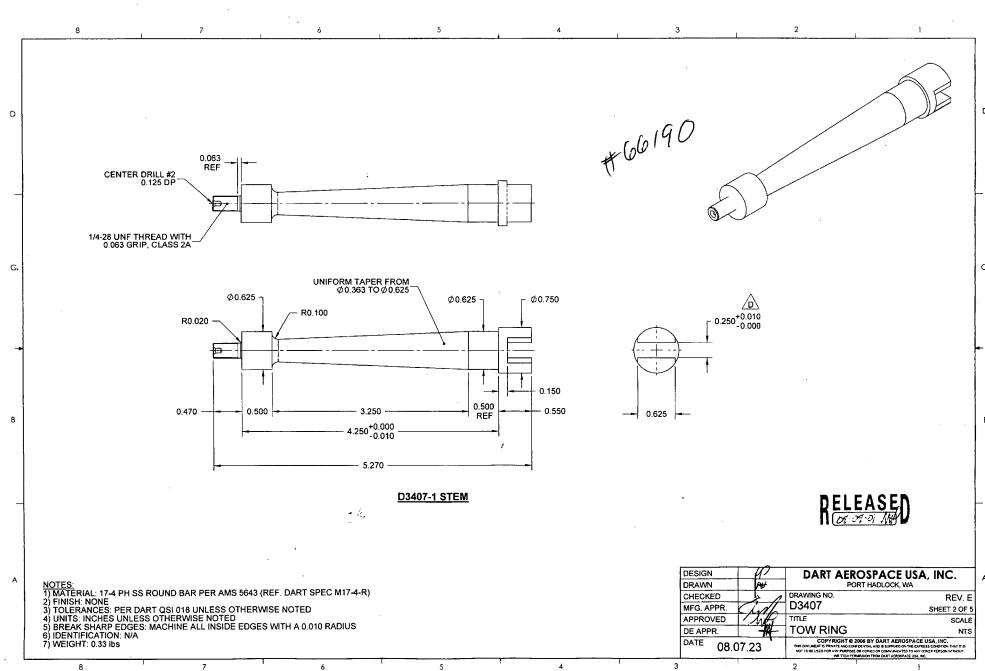
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#### **Dart Aerospace Ltd**

	ОСРИСС			·								
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		•										
									•			
Part No	:	PAR #:	Fault Cate	gory:	NCR: \	/es N	o <b>DQ</b>	A:	 Date:			
			Disposition:									
NCR:		V	WORK ORDER NON-CONFORMANCE (NCR)									
		TEP Description of NC Section A	Corrective Action Section			V		cation	Approval	Approval		
DATE	STEP		Initial Chief Eng	Action Description Chief Eng		ign & Date	Section C		Chief Eng	QC Inspector		
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# **Dart Aerospace Ltd**

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W/O:			W	ORK ORDER CHANG	ES					
DATE	STEP	PROCEDURE CHANGE			Ву	Date	e Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
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								-		
Part No		PAR #:	Fault Cate	gory:	NCR: Ye	s No	DQA:	Date: _		
			Disposition: QA							
NCR:			WORK ORD	ER NON-CONFORMA	NCE (N	CR)				
DATE	STEP	Description of NC	Corrective Action Section B			Verification		Approval	Approval	
DATE		Section A	Initial Chief Eng	Action Description  Chief Eng	Sig Da	n &	Section C	Chief Eng	QC Inspector	
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